

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2005/014158

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F02D19/08 F02D41/00 F02D41/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F02D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 408 957 A (CROWLEY ET AL) 25 April 1995 (1995-04-25) column 1, line 52 - column 3, line 30; figure 2 -----	1, 4, 7
A	US 5 546 902 A (PALUCH ET AL) 20 August 1996 (1996-08-20) column 1, line 62 - column 3, line 17 -----	1, 4, 7
A	US 4 181 100 A (MORITA, AKIRA ET AL) 1 January 1980 (1980-01-01) the whole document ----- -/-	1, 4, 7

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- "A" document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

6 October 2005

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14/10/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 007, no. 159 (M-228), 13 July 1983 (1983-07-13) & JP 58 067938 A (NISSAN JIDOSHA KK), 22 April 1983 (1983-04-22) abstract ----- US 6 405 720 B1 (COLLIER, JR. R. KIRK) 18 June 2002 (2002-06-18) column 4, lines 1-38; figure 1 -----	1, 4, 7
A		1, 4, 7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2005/014158

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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			BR 9306364 A 30-06-1998	CA 2135765 A1 25-11-1993	
			CN 1085988 A 27-04-1994	DE 69326337 D1 14-10-1999	
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